



217/782-6788

Refer to: T1984007 — Madison County
Granite City/Taracorp
Superfund/Technical Reports

July 24, 1985

Mr. William K. Waddendorf
Principal Environmental Engineer
HL Industries Inc.
P.O. Box 1090
Hightstown, New Jersey 08520

Dear Mr. Waddendorf:

The purpose of this letter is to provide to you our comments concerning the proposed Quality Assurance Project Plan (QAPP) for the Taracorp project.

During our review, we determined that additional information is necessary in order for us to complete our review. This information may be found attached to this letter.

Should you have additional questions, please feel free to contact me at 217/782-6788.

Very truly yours,

John G. Hooker, Project Manager
Hazardous Substances Control Section
Division of Land Pollution Control

JGH:jd/1590E/29

cc: B. Shah



Attachment to Taracorp Letter

The following items must be addressed prior to further review and subsequent approval:

1. A more detailed description of personnel needs to be provided. This includes the positions, their responsibilities, personnel's educational and experience background.
2. In terms of physical facilities and equipment, the location, layout and laboratory capabilities of the facility must be specifically outlined, including an inventory of major equipment to be used for this project.
3. The methodology provided in the QAPP is too general and requires further detail. Specifically, additional information in regards to methods, the instrument detection limits, the range of calibration curves, sample preparation, pretreatment procedures, interferences and applicability of the method must be provided. In addition, please be advised that there is no method for analysis of arsenic as per 206.1 nor is digestion method 3010 applicable to samples if they are to be analyzed by furnace or gaseous hydride techniques.
4. Concerning Chain-of-Custody procedures, please provide a copy of the Chain-of-Custody forms to be used. Additionally, information concerning step-by-step sample movement, type of sampling container, preservatives and holding time of samples must be provided.
5. Additional detail must be provided concerning laboratory QA/QC. Specifically, information concerning accuracy, precision, completeness, types and frequency of blanks, spikes, duplicates, calculation and manipulation of the data obtained, ranges of acceptability, corrective and preventative actions, frequency and procedure of laboratory instruments must be provided.
6. In regards to data reporting, please be advised that all raw data, strip charts, and control charts must be sent to the Agency along with the results of the samples. Additionally, all QC data must be reported in the same chronological order that the data were analyzed along with the actual samples.

JGN:j4/1000E/38